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### 1 [Providing hypertextual functionalities with XML](#)



Luca Bompani, Fabio Vitali

May 2000 HYPERTEXT '00: Proceedings of the eleventh ACM on Hypertext and hypermedia

Publisher: ACM

Full text available: [pdf\(23.99 KB\)](#) [Additional Information: full citation, references, index terms](#)

Keywords: XML, displets, hypertext functionalities

### 2 [XML document security based on provisional authorization](#)



Michiharu Kudo, Satoshi Hada

November 2000 CCS '00: Proceedings of the 7th ACM conference on Computer and communications security

Publisher: ACM

Full text available: [pdf\(456.68 KB\)](#) [Additional Information: full citation, references, cited by, index terms](#)

Keywords: XML, access control, provisional authorization, security transcoding

### 3 [An XML framework for agent-based E-commerce](#)



Robert J. Glushko, Jay M. Tenenbaum, Bart Meltzer

March 1999 Communications of the ACM, Volume 42 Issue 3

Publisher: ACM

Full text available: [pdf\(277.43 KB\)](#) [html\(33.22 KB\)](#) [Additional Information: full citation, references, cited by, index terms](#)

### 4 [UnQL: a query language and algebra for semistructured data based on structural recursion](#)

Peter Buneman, Mary Fernandez, Dan Suciu

March 2000 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 9 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(414.32 KB\)](#) [Additional Information: full citation, abstract, references, cited by, index terms](#)

This paper presents structural recursion as the basis of the syntax and

semantics of query languages for semistructured data and XML. We describe a simple and powerful query language based on pattern matching and show that it can be expressed using structural ...

**Keywords:** Optimization, Query language, Semistructured data, Structural recursion, XML, XSL

- 5 [Requirements for and evaluation of RMI protocols for scientific computing](#)  
 Madhusudhan Govindaraju, Aleksander Slominski, Venkatesh Choppella, Randall Bramley, Dennis Gannon  
 November 2000 Supercomputing '00: Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)  
 Publisher: IEEE Computer Society

Full text available:



[pdf\(306.63 KB\)](#)




[Publisher Site](#)

**Additional Information:** [full citation](#),

[abstract](#),  
[references](#), [cited by](#), [index terms](#)

Distributed software component architectures provide a promising approach to the problem of building large scale, scientific Grid applications. Communication in these component architectures is based on Remote Method Invocation (RMI) protocols that ...

**Keywords:** Distributed computing, software component systems, communication protocols, RMI, Java, SOAP

- 6 [Design and performance modeling of component interconnection patterns for distributed software architectures](#)  
 Hassan Gomaa, Daniel A. Menascé  
 September 2000 WOSP '00: Proceedings of the 2nd international workshop on Software and performance  
 Publisher: ACM


Full text available:



[pdf\(276.11 KB\)](#)

**Additional Information:** [full citation](#), [references](#), [cited by](#),  
[index terms](#)

**Keywords:** UML, XML, component interconnection patterns, performance model, queuing networks, software architecture

- 7 [Implementation of a WebDAV-based collaborative distance learning environment](#)  
 Changtao qu, Thomas Engel, Christoph Meinel  
 October 2000 SIGUCCS '00: Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future  
 Publisher: ACM


Full text available:



[pdf\(184.04 KB\)](#)

**Additional Information:** [full citation](#), [references](#), [cited by](#),  
[index terms](#)

**Keywords:** Java 2 platform enterprise edition, JavaServer pages, collaborative distance learning, enterprise JavaBeans, virtual university, web-based distributed authoring and versioning

- 8 [jRapture: A Capture/Replay tool for observation-based testing](#)  
 John Steven, Pravir Chandra, Bob Fleck, Andy Podgurski  
 August 2000 ISSSTA '00: Proceedings of the 2000 ACM SIGSOFT international symposium on Software testing and analysis  
 Publisher: ACM

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Full text available:  pdf(403.58 KB)

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We describe the design of jRapture: a tool for capturing and replaying Java program executions in the field. jRapture works with Java binaries (byte code) and any compliant implementation of the Java virtual machine. It employs a lightweight, transparent ...

**Keywords:** Java, capture/replay, execution profiling, observation-based testing, software testing

## 9 [jRapture: A Capture/Replay tool for observation-based testing](#)



John Steven, Pravir Chandra, Bob Fleck, Andy Podgurski

September 2000 ACM SIGSOFT Software Engineering Notes, Volume 25 Issue 5  
Publisher: ACM

Full text available:  pdf(403.58 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#),  
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We describe the design of jRapture: a tool for capturing and replaying Java program executions in the field. jRapture works with Java binaries (byte code) and any compliant implementation of the Java virtual machine. It employs a lightweight, transparent ...

**Keywords:** Java, capture/replay, execution profiling, observation-based testing, software testing

## 10 [MOCHA: a self-extensible database middleware system for distributed data sources](#)



Manuel Rodríguez-Martínez, Nick Roussopoulos

May 2000 SIGMOD '00: Proceedings of the 2000 ACM SIGMOD international conference on Management of data  
Publisher: ACM

Full text available:  pdf(278.77 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#),  
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We present MOCHA, a new self-extensible database middleware system designed to interconnect distributed data sources. MOCHA is designed to scale to large environments and is based on the idea that some of the user-defined functionality in the system ...

## 11 [MOCHA: a self-extensible database middleware system for distributed data sources](#)



Manuel Rodríguez-Martínez, Nick Roussopoulos

June 2000 ACM SIGMOD Record, Volume 29 Issue 2  
Publisher: ACM

Full text available:  pdf(278.77 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#),  
[cited by](#), [index terms](#)

We present MOCHA, a new self-extensible database middleware system designed to interconnect distributed data sources. MOCHA is designed to scale to large environments and is based on the idea that some of the user-defined functionality in the system ...


## 12 [Dynamic typing for distributed programming in polymorphic languages](#)



Dominic Duggan

January 1999 ACM Transactions on Programming Languages and Systems

Publisher: ACM

Full text available:  pdf(401.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

While static typing is widely accepted as being necessary for secure program execution, dynamic typing is also viewed as being essential in some applications, particularly for distributed programming environments. Dynamics have been ...

**Keywords:** dynamic typing, marshalling, parametric polymorphism, static typing


### 13 [Asynchronous information space analysis architecture using content and structure-based service brokering](#)



Ke-Thia Yao, In-Young Ko, Ragy Eleish, Robert Neches

June 2000 DL '00: Proceedings of the fifth ACM conference on Digital libraries

Publisher: ACM

Full text available:  pdf(470.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Our project focuses on rapid formation and utilization of custom collections of information for groups focused on high-paced tasks. Assembling such collections, as well as organizing and analyzing the documents within them, is a complex and sophisticated ...


**Keywords:** asynchronous service access, component architecture, content and structure, data-driven brokering, information analysis, information management, metadata

### 14 [Guido van Rossum](#)

Phil Hughes

December 1999 Linux Journal, Volume 1999 Issue 68es

Publisher: Specialized Systems Consultants, Inc.

Full text available:  html(26.20 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)


Phil and Guido stroll through the waterfront at Monterrey and discuss Python

### 15 [Customization of object request brokers by application specific policies](#)

Bo Nørregård Jørgensen, Eddy Truyen, Frank Matthijs, Wouter Joosen

April 2000 Middleware '00: IFIP/ACM International Conference on Distributed systems platforms

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(160.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

This paper presents an architectural framework for customizing Object Request Broker (ORB) implementations to application-specific preferences for various non-functional requirements. ORB implementations are built by reusing a domain-specific component-based ...


### 16 [Using a coordination language to specify and analyze systems containing mobile components](#)



P. Ciancarini, F. Franzé, C. Mascolo


April 2000 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 9 Issue 2

Publisher: ACM


Full text available:  pdf(366.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

New computing paradigms for network-aware applications need specification languages able to deal with the features of mobile code-based systems. A coordination language provides a formal framework in which the interaction of active entities can be expressed. ...


## 17 [Extending OLAP querying to external object databases](#)


 Torben Bach Pedersen, Arie Shoshani, Junmin Gu, Christian S. Jensen  
November 2000 CI KM '00: Proceedings of the ninth international conference on Information and knowledge management

Publisher: ACM

Full text available:  pdf(168.32 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

## 18 [UML-Based integration testing](#)


 Jean Hartmann, Claudio Imoberdorf, Michael Meisinger  
September 2000 ACM SIGSOFT Software Engineering Notes. Volume 25 Issue 5  
Publisher: ACM

Full text available:  pdf(761.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Increasing numbers of software developers are using the Unified Modeling Language (UML) and associated visual modeling tools as a basis for the design and implementation of their distributed, component-based applications. At the same time, it is necessary ...

**Keywords:** COM/DCOM, CORBA, UML statecharts, distributed components, functional testing, test execution, test generation

## 19 [A UML tool for an automatic generation of simulation programs](#)


 L. B. Arief, N. A. Speirs  
September 2000 WOSP '00: Proceedings of the 2nd international workshop on Software and performance


Publisher: ACM

Full text available:  pdf(61.67 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Keywords:** UML extension, discrete simulation, model design, process-oriented, program generators

## 20 [Workshop report on experiences using object data management in the real-world](#)

 Akmal B. Chaudhri  
March 1998 ACM SIGMOD Record. Volume 27 Issue 1  
Publisher: ACM





Full text available:  pdf(28.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The OOPSLA '97 Workshop on *Experiences Using Object Data Management in the Real-World* was held at the Cobb Galleria Centre in Atlanta, Georgia on Monday 6 October 1997. This report summarises some of the commercial case-study presentations made ...

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